



# ***COMMONWEALTH of VIRGINIA***

## ***DEPARTMENT OF ENVIRONMENTAL QUALITY TIDEWATER REGIONAL OFFICE***

Molly Joseph Ward  
Secretary of Natural Resources

5636 Southern Boulevard, Virginia Beach, Virginia 23462  
(757) 518-2000 Fax (757) 518-2009  
www.deq.virginia.gov

David K. Paylor  
Director

Maria R. Nold  
Regional Director

**DRAFT Date:** August xx, 2016

Mr. David Pone  
Director of Facilities Operations  
Riverside Regional Medical Center  
500 J. Clyde Morris Boulevard  
Newport News, Virginia 23601

Location: Newport News  
**Registration Number: 60436**

Dear Mr. Pone:

Attached is a significant amendment to your state operating permit dated June 1, 2011 to construct and operate a healthcare facility in accordance with the provisions of the Virginia Regulations for the Control and Abatement of Air Pollution. This permit supersedes your permit dated June 1, 2011.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all permit conditions carefully.

The Department of Environmental Quality (DEQ) deemed the application complete on August 16, 2016 and has determined that the application meets the requirements of 9VAC5-80-990 A for a significant amendment to a state operating permit. The Department solicited written public comments by placing a newspaper advertisement in the Daily Press on Tuesday, September 13, 2016. The required comment period, provided by 9VAC5-80-1170 D, expired on Thursday, October 13, 2016.

This permit approval to construct and operate shall not relieve Riverside Regional Medical Center of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. 9VAC5-170-200 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

David K. Paylor, Director  
Department of Environmental Quality  
PO Box 1105  
Richmond, VA 23218-1105

If this permit was delivered to you by mail, three (3) days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

Riverside Regional Medical Center is potentially subject to 40 CFR 63, Maximum Achievable Control Technology (MACT), Subpart JJJJJ for Industrial, Commercial, and Institutional Boilers at Area Source Facilities (Boiler MACT Area Sources). The MACT is not cited in the SOP as Virginia has not accepted delegation of the MACT as of the issuance date of this permit. According to MACT, Subpart JJJJJ, a gas-fired boiler includes any boiler that burns gaseous fuels that is not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, and/or periodic testing on liquid fuel. The boilers at the medical facility will each fire natural gas as the primary fuel and distillate oil only as backup fuel. Under this operating scenario, each boiler would be classified as a gas-fired boiler and not be subject to MACT, Subpart JJJJJ (40 CFR 63.11237 definition of "gas-fired boiler"). According to the Federal Register excerpts from the background document and preamble, if a boiler becomes a "gas-fired boiler" by definition, then it is no longer subject to the MACT (<http://www.gpo.gov/fdsys/pkg/FR-2013-02-01/pdf/2012-31645.pdf>). However, if a switch back to liquid fuel is made, an initial notification of applicability must be submitted to the EPA within 30 calendar days of the fuel switch. Compliance must then be demonstrated within 180 days, and continuing compliance demonstration such as bi-annual tune-ups has to be met.

The proposed emergency generator (Ref. No. EG12) is an affected emission unit under 40 CFR 60, New Source Performance Standards (NSPS), Subpart IIII and 40 CFR 63, Maximum Achievable Control Technology (MACT), Subpart ZZZZ and therefore is subject to owner/operator requirements of the NSPS and MACT. In summary, the unit is required to comply with certain federal emission standards and operating limitations over its useful life. The Department of Environmental Quality (DEQ) advises you to review the NSPS and MACT to ensure compliance with applicable emission and operational limitations. As the owner/operator you are also responsible for monitoring, notification, reporting, and recordkeeping requirements of the NSPS and MACT. Notifications shall be sent to EPA, Region III. Virginia DEQ does not have delegation of these federal regulations for area sources of HAPs.

On May 1, 2015, the U.S. Court of Appeals for the District of Columbia Circuit issued a vacatur of the emergency demand response provisions in NSPS, Subparts IIII and JJJJ, and MACT, Subpart ZZZZ (paragraphs 40 CFR 60.4211(f)(2)(ii)-(iii) in NSPS, Subpart IIII, 60.4243(d)(2)(ii)-(iii) in NSPS, Subpart JJJJ, and 63.6640(f)(2)(ii)-(iii) in MACT, Subpart ZZZZ). According to EPA's interpretation of the ruling, the vacatur will have certain inferences for operators/owners of emergency generators that participate in an emergency demand response program. The operation of an engine-generator for the purpose of emergency demand/load response on or after May 1, 2016 will be considered a non-emergency operation. Such operations will classify an emergency engine-generator as a non-emergency unit which would require compliance of that engine with the appropriate non-emergency engine emission standards and operating requirements of NSPS, Subpart IIII or Subpart JJJJ, and MACT, Subpart ZZZZ, as applicable. Virginia DEQ does not have delegation of these federal regulations for area sources of HAPs. For the purpose of Virginia's minor new source review permitting program (Article 6), nothing has changed due to the vacatur of the emergency demand response provisions in NSPS, Subparts IIII and JJJJ, and MACT, Subpart ZZZZ. Virginia's regulatory definition of emergency still provides for participation in valid emergency load response programs.

To review any federal rules referenced in the above paragraphs or in the attached permit, the US Government Publishing Office maintains the text of these rules at [www.ecfr.gov](http://www.ecfr.gov), Title 40, Part 60 and 63.

A copy of the results of performance test(s) required by 40 CFR 60, Subpart IIII and 40 CFR 63, Subpart ZZZZ shall to be sent to:

Associate Director  
Office of Air Enforcement (3AP10)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

If you have any questions concerning this permit, please contact Jim White at (757) 518-2180 or by e-mail at [james.white@deq.virginia.gov](mailto:james.white@deq.virginia.gov).

Sincerely,

Wayne H. Franklin  
Regional Air Permits Manager

WHF/JIM/60436\_003\_16\_SOPsigamd\_RRMC.docx

Attachments: Permit

cc: Manager, Data Analysis (electronic file submission)  
Chief, Air Enforcement Branch (3AP13), U.S. EPA, Region III (electronic file submission)  
Manager/Inspector, Air Compliance



# ***COMMONWEALTH of VIRGINIA***

## ***DEPARTMENT OF ENVIRONMENTAL QUALITY***

### **TIDEWATER REGIONAL OFFICE**

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Director

Maria R. Nold  
Regional Director

## **ARTICLE 5 – STATE OPERATING PERMIT STATIONARY SOURCE PERMIT TO OPERATE This permit includes designated equipment subject to New Source Performance Standards (NSPS).**

This permit supersedes your permit dated June 1, 2011.

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia  
Regulations for the Control and Abatement of Air Pollution,

Riverside Regional Medical Center  
500 J. Clyde Morris Boulevard  
Newport News, Virginia 23601  
**Registration Number: 60436**

is authorized to construct and operate

a healthcare facility

located at

500 J. Clyde Morris Boulevard  
Newport News, Virginia

in accordance with the Conditions of this permit.

Approved on: **DRAFT Date.**

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Maria R. Nold

**MM-dd-2016**  
Signature Date

Permit consists of 9 pages.  
Permit Conditions 1 to 28.

## **INTRODUCTION**

This permit approval is based on the permit application dated August 17, 1990, November 22, 1994, January 8, 1998, January 8, 2008, January 14, 2008, and March 9, 2011, including amendment information and supplemental information dated September 19, 1990, February 24, 1992, January 28, 1998, January 30, 1998, February 13, 1998, March 3, 1998, February 20, 2008, March 21, 2008, March 31, 2008, March 21, 2011, June 14, 2016, and August 16, 2016. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action. In addition, this facility may be subject to additional applicable requirements not listed in this permit.

Words or terms used in this permit shall have meanings as provided in 9VAC5-10-10 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. The regulatory reference or authority for each condition is listed in parentheses ( ) after each condition.

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact.

The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, § 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9VAC5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

## **PROCESS REQUIREMENTS**

**Equipment List** - Equipment at this facility consists of the following:

<b>Equipment to be installed</b>			
<b>Reference No.</b>	<b>Equipment Description</b>	<b>Rated Capacity</b>	<b>Federal Requirements</b>
B-6	Cleaver Brooks, natural gas/distillate oil-fired steam boiler, ICB 200-400-150	16.329 MMBTU/hr	NSPS, Subpart Dc
EG-12	Caterpillar, diesel-fired generator, Model SR4B with Model 3512C EPA Tier II certified (2009) diesel engine	1,500 kW generator 2,011 BHP diesel engine	MACT, Subpart ZZZZ NSPS, Subpart IIII

<b>Equipment permitted prior to the date of this permit</b>				
<b>Reference No.</b>	<b>Equipment Description</b>	<b>Rated Capacity</b>	<b>Federal Requirements</b>	<b>Original Permit Date</b>
B-1	Natural gas/distillate oil-fired boiler	6.695 MMBtu/hr	N/A using NG fuel	4/20/1998 SOP
B-2	Natural gas/distillate oil-fired boiler	6.695 MMBtu/hr	N/A using NG fuel	4/20/1998 SOP
B-3	Natural gas/distillate oil-fired boiler	20.085 MMBtu/hr	NSPS Subpart Dc	12/14/1994 NSR
B-4	Natural gas/distillate oil-fired boiler	20.085 MMBtu/hr	NSPS Subpart Dc	12/14/1994 NSR
B-5	Natural gas/distillate oil-fired boiler	16.329 MMBTU/hr	NSPS Subpart Dc	6/1/2011 SOP
EG-1	Diesel-fired emergency generator	500 kW	MACT, Subpart ZZZZ	4/20/1998 SOP
EG-2	Diesel-fired emergency generator	500 kW	MACT, Subpart ZZZZ	4/20/1998 SOP
EG-4	Diesel-fired emergency generator	500 kW	MACT, Subpart ZZZZ	4/20/1998 SOP
EG-3	Diesel-fired emergency generator	500 kW	MACT, Subpart ZZZZ	4/20/1998 SOP
EG-5	Diesel-fired emergency generator	350 kW	MACT, Subpart ZZZZ	4/20/1998 SOP
EG-6	Diesel-fired emergency fire water pump	100 HP	MACT, Subpart ZZZZ	4/20/1998 SOP
EG-7	Diesel-fired emergency generator	500 kW	MACT, Subpart ZZZZ	5/20/2008 SOP

Equipment permitted prior to the date of this permit				
Reference No.	Equipment Description	Rated Capacity	Federal Requirements	Original Permit Date
EG-8	Diesel-fired emergency generator	500 kW	MACT, Subpart ZZZZ	5/20/2008 SOP
EG-9	Diesel-fired emergency generator	1,500 kW	MACT, Subpart ZZZZ NSPS, Subpart IIII	6/1/2011 SOP
EG-10	Diesel-fired emergency generator	1,500 kW	MACT, Subpart ZZZZ NSPS, Subpart IIII	6/1/2011 SOP
EG-11	Diesel-fired emergency generator	1,500 kW	MACT, Subpart ZZZZ NSPS, Subpart IIII	6/1/2011 SOP
X-1	Lab exhaust hood; histology laboratory	Not applicable	Not applicable	4/20/1998 SOP

Equipment Exempt from Permitting				
Reference No.	Equipment Description	Rated Capacity	Exemption Citation	Exemption Date
UST-1	Underground storage tank, #2 DO fuel	40,000 gallons	9VAC5-80-320.B.8.e	6/1/2011 SOP

Specifications included in the above tables are for informational purposes only and do not form enforceable terms or conditions of the permit.

## **OPERATING LIMITATIONS – FUEL BURNING EQUIPMENT**

1. **Monitoring Devices** - Each emergency generator (Ref. Nos. EG-1 through EG-12) shall be equipped with a non-resettable hour meter device to monitor the generator's engine operating hours. The non-resettable hour meter used to continuously measure the operating hours of each generator's engine shall be observed by the owner/operator with a frequency of not less than once each day when the emergency generator set is operated. The owner/operator shall keep a record log of these observations. Each non-resettable hour meter shall be provided with adequate access for inspection and shall be in operation when the generator's engine is operating.  
(9VAC5-80-850)
2. **Fuel** - The approved fuels for boilers B-1 through B-6 are natural gas and distillate oil. The approved fuel for the emergency generators (EG-1 to EG-5 and EG-7 to EG-12) and emergency fire water pump (EG-6) is diesel fuel or # 2 distillate fuel oil having a fuel sulfur content of no more than 0.0015% (15 ppm) sulfur. A change in the fuel shall be considered a change in the method of operation of the equipment and may require a new or amended permit. However, if a change in the fuel is not subject to new source review permitting requirements, this condition should not be construed to prohibit such a change.  
(9VAC5-80-850)
3. **Fuel** - The permittee shall only burn distillate oil in boilers B-1 to B-6 as back-up fuel. The distillate oil shall only be used during periods of natural gas curtailment, natural gas supply interruption, startups, and/or periodic testing on liquid fuel.  
(9VAC5-80-850)
4. **Fuel Throughput** - The boilers B-1 through B-6, combined, shall consume no more than 442.12 million standard cubic feet (scf) of natural gas per year and no more than 950,000 gallons of distillate oil per year. The throughputs shall be calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-850)

5. **Emergency Generators** - The emergency generators (EG-1 through EG-5, EG-7, and EG-8) are to be used only for providing power at the healthcare facility during interruption of service from the normal power supplier, periodic maintenance, testing, and operational training. Total use for each emergency generator may not exceed **500 hours per year**, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-850 and 9VAC5-170-160)
6. **Emergency Generators** - The emergency generators (EG-9 through EG-12) are to be used only for providing power at the healthcare facility during interruption of service from the normal power supplier, periodic maintenance, testing, and operational training. Total use for each emergency generator may not exceed **365 hours per year**, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-850 and 9VAC5-170-160)
7. **Emergency Fire Water Pump** - The emergency fire water pump (EG-6) at the healthcare facility is to be used only during fire emergencies, periodic maintenance, testing, and operational training. Total use for the emergency fire pump may not exceed **500 hours per year**, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-850 and 9VAC5-170-160)
8. **Fuel** - The distillate oil used in the boilers shall meet the specifications below:  
DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:  
Maximum sulfur content per shipment: 0.5%  
(9VAC5-80-850, 9VAC5-50-260, 9VAC5-50-410, and 40 CFR 60.42c(d))
9. **Fuel** - The distillate oil used in the emergency generator and fire water pump engines shall meet the specifications below:  
DISTILLATE OIL which meets the ASTM D396 or ASTM D975 specifications for numbers 1 or 2 fuel oil:  
Maximum sulfur content per shipment: 0.0015% (15 ppm)  
(9VAC5-80-850, 9VAC5-50-260, and 9VAC5-50-410)
10. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
  - a. The name of the fuel supplier;
  - b. The date on which the distillate oil was received;
  - c. The quantity of distillate oil delivered in the shipment;
  - d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications ASTM D396 or D975 for numbers 1 or 2 fuel oils; and
  - e. The sulfur content of the distillate oil.



Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in **Conditions 8 and/or 9**. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.

(9VAC5-80-850, 9VAC5-50-410, and 40 CFR 60.48c(f)(I))

11. **Requirements by Reference** - Except where this permit is more restrictive than the applicable requirement, boilers B-3 through B-6 shall be operated in compliance with the requirements of 40 CFR 60 (NSPS), Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The permittee should refer to the most current version of the NSPS regulation for additional requirements not included in this permit.  
(9VAC5-80-850, 9VAC5-170-160, 9VAC5-50-400, and 9VAC5-50-410)

## **EMISSION LIMITS - FUEL BURNING EQUIPMENT**

12. **Emission Limits** - Emissions from the combined operation of boilers B-1 through B-6 shall not exceed the limits specified below:

Particulate Matter (PM)	2.6 tons/yr
PM-10	0.9 ton/yr
PM-2.5	0.9 ton/yr
Sulfur Dioxide	33.9 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	31.6 tons/yr
Carbon Monoxide	20.9 tons/yr
Volatile Organic Compounds	1.3 ton/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions **2, 4, 8, 10, 11, 14, 15, and 17**.

(9VAC5-80-850 and 9VAC5-50-260)

13. **Emission Limits** - Emissions from the operation of the emergency generators (EG-1 through EG-5 and EG-7 through EG-12) and the emergency fire water pump (EG-6), combined, shall not exceed the limits specified below:

Particulate Matter (PM)	1.4 tons/yr
PM-10	1.4 tons/yr
PM-2.5	1.4 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	46.4 tons/yr
Carbon Monoxide	11.3 tons/yr
Volatile Organic Compounds	1.5 ton/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions **1, 2, 5, 6, 7, 9, 10, 16, and 17**.

(9VAC5-80-850)



14. **Visible Emission Limit** - Visible emissions from each exhaust stack for B-3, B-4, B-5, and B-6 boilers shall not exceed 10 percent (10%) opacity except during one six-minute period in any one (1) hour in which visible emissions shall not exceed 20 percent (20%) opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9VAC5-80-850, 9VAC5-170-160, 9VAC5-50-20, 9VAC5-50-80, and 9VAC5-50-260)
15. **Visible Emission Limit** - Visible emissions from each exhaust stack for B-1 and B-2 boilers shall not exceed 20 percent (20%) opacity except during one six-minute period in any one (1) hour in which visible emissions shall not exceed 30 percent (30%) opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9VAC5-80-850, 9VAC5-50-20, and 9VAC5-50-80)
16. **Visible Emission Limit** - Visible emissions from each of the emergency generators and the emergency fire water pump (EG-1 through EG-12) engine exhaust stacks shall not exceed 20 percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent (30%) opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9VAC5-80-850, 9VAC5-50-20, and 9VAC5-50-80)

## **RECORDS – FUEL BURNING EQUIPMENT**

17. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:
  - a. Annual throughput of natural gas and distillate oil for the combined boilers (B-1 through B-6), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;
  - b. Monthly throughput of natural gas and distillate oil consumed by the NSPS Dc boilers (B-3, B-4, B-5, and B-6, combined), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;
  - c. Hourly use records for each emergency generator and the emergency fire water pump, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months; and
  - d. All fuel supplier certifications.

These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.

(9VAC5-80-850, 9VAC5-50-50, 9VAC5-50-400, and 9VAC5-50-410)

18. **Semi-Annual Reports** - The permittee shall submit fuel quality reports for the distillate oil consumed by each of the boilers B-3, B-4, B-5, and B-6 to the DEQ Tidewater Regional Office within 30 calendar days after the end of each semi-annual period. If no shipments of distillate oil were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no oil was received during the semi-annual period. If distillate oil was received during the semi-annual period, the reports shall include:
  - a. Dates included in the semi-annual period,

- b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the semi-annual period or a semi-annual summary from each fuel supplier that includes the information specified in **Condition 10** for each shipment of distillate oil, and
- c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

One (1) copy of the semi-annual report shall be submitted to the U.S. Environmental Protection Agency at the following address:

Associate Director  
Office of Air Enforcement (3AP10)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

(9VAC5-80-850, 9VAC5-170-160, 9VAC5-50-50, 9VAC5-50-400, and 9VAC5-50-410)

## **FACILITY-WIDE REQUIREMENTS**

19. **Facility wide Emission Limits** - Total emissions from the healthcare facility shall not exceed the limits specified below:

Particulate Matter (PM)	4.0 tons/yr
PM-10	2.3 tons/yr
PM-2.5	2.3 tons/yr
Sulfur Dioxide	34.2 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	78.1 tons/yr
Carbon Monoxide	32.3 tons/yr
Volatile Organic Compounds	2.8 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions **1 - 11, 14 - 17**. (9VAC5-80-850)

20. **Emissions Testing** - The facility shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided. (9VAC5-80-880, 9VAC5-80-850, and 9VAC5-50-30 F)

## **GENERAL CONDITIONS**

21. **VOC Work Practice Standards** - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions. (9VAC5-50-20 F and 9VAC5-80-850)

**22. Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
- b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
- c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
- d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9VAC5-170-130 and 9VAC5-80-850)

**23. Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Director, Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one (1) hour, by facsimile transmission, telephone, or telegraph. Such notification shall be made as soon as practicable but no later than four (4) daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within two (2) weeks of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Director, Tidewater Regional Office in writing.

(9VAC5-20-180 C and 9VAC5-80-850)

**24. Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.

(9VAC5-20-180 I and 9VAC5-80-850)

**25. Maintenance/Operating Procedures** - At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions. Records of maintenance shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

(9VAC5-50-20 E and 9VAC5-80-850)

**26. Permit Suspension/Revocation** - This permit may be revoked if the permittee:

- a. Knowingly makes material misstatements in the permit application or any amendments to it;
- b. Fails to comply with the terms or conditions of this permit;
- c. Fails to comply with any emission standards applicable to a permitted emissions unit;
- d. Causes emissions from this facility which result in violations of, or interferes with the attainment and maintenance of, any ambient air quality standard;
- e. Fails to operate this facility in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect at the time that an application for this permit is submitted; or
- f. Fails to comply with the applicable provisions of Articles 6, 8, and 9 of 9VAC5 Chapter 80.  
(9VAC5-80-1010)

**27. Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Director, Tidewater Regional Office of the change of ownership within 30 calendar days of the transfer.  
(9VAC5-80-940)

**28. Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.  
(9VAC5-80-860 D)

## **SOURCE TESTING REPORT FORMAT**

### Report Cover

- Plant name and location
- Units tested at source (indicate Ref. No. used by source in permit or registration)
- Test dates
- Tester; name, address and report date

### Certification

- Signed by team leader/certified observer (include certification date)
- Signed by responsible company official
- \*Signed by reviewer

### Copy of approved test protocol

### Summary

- Reason for testing
- Test dates
- Identification of unit tested & the maximum rated capacity
- \*For each emission unit, a table showing:
  - Operating rate
  - Test Methods
  - Pollutants tested
  - Test results for each run and the run average
  - Pollutant standard or limit
- Summarized process and control equipment data for each run and the average, as required by the test protocol
- A statement that test was conducted in accordance with the test protocol or identification & discussion of deviations, including the likely impact on results
- Any other important information

### Source Operation

- Description of process and control devices
- Process and control equipment flow diagram
- Sampling port location and dimensioned cross section Attached protocol includes: sketch of stack (elevation view) showing sampling port locations, upstream and downstream flow disturbances and their distances from ports; and a sketch of stack (plan view) showing sampling ports, ducts entering the stack and stack diameter or dimensions

### Test Results

- Detailed test results for each run
- \*Sample calculations
- \*Description of collected samples, to include audits when applicable

### Appendix

- \*Raw production data
- \*Raw field data
- \*Laboratory reports
- \*Chain of custody records for lab samples
- \*Calibration procedures and results
- Project participants and titles
- Observers' names (industry and agency)
- Related correspondence
- Standard procedures

\* Not applicable to visible emission evaluations

## **DRAFT PERMIT APPROVAL FORM**

Department of Environmental Quality  
Tidewater Regional Office  
5636 Southern Blvd.  
Virginia Beach, Virginia 23462

### **Instructions:**

The "Draft Permit Approval Form" provides the owner or certified company official an opportunity to accept or suggest appropriate changes to a draft permit. If a signed form is not received within one (1) week of the date of receipt of the draft permit, DEQ will assume that the draft permit is considered acceptable and will proceed with processing the permit.

**Please check the applicable statement(s) below after thoroughly reviewing the draft permit.**  
**Scanned forms (with signatures) may be returned to [Cindy.Keltner@deq.virginia.gov](mailto:Cindy.Keltner@deq.virginia.gov) or [Jane.Workman@deq.virginia.gov](mailto:Jane.Workman@deq.virginia.gov).**

**If scanning is not available, please fax to 757-518-2009, Attention: Cindy Keltner or Ms. Jane A. Workman**

\_\_\_\_\_ The owner or certified company official agrees with the conditions of the draft permit dated \_\_\_\_\_ . Please proceed to issue the permit with no change.

\_\_\_\_\_ The owner or certified company official finds condition number(s) \_\_\_\_\_ of the draft permit dated \_\_\_\_\_ unacceptable.

\_\_\_\_\_ The suggested changes are attached for your consideration.

\_\_\_\_\_ The owner or certified company official requests further discussion with DEQ regarding the above referenced condition(s).

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Facility: \_\_\_\_\_

Date: \_\_\_\_\_